3: Anonymous U-4 (no date) 1920 RH1 Caucasia RH1

317 to unscientific methods of removal. Much ore is con-
[364] sequently wasted. Since 1909 an increasing amount of ore has been washed for the preparation of ferro-manganese, and this has resulted in the serious pollution of the River Kvirili, which runs through the mining district. Regulations have been made to control the practice of discharging refuse into the river, and plans formed to collect the refuse-laden water in an artificial basin, where it could be purified and utilized for generating electric power to be employed in the ferro-manganese furnaces. Little improvement, however, had been effected by 1914.

[471] Many small native firms are occupied in manganese-mining. A little before the war foreign capitalists were acquiring manganese-bearing land, which is usually leased in small lots of from half an acre to 50 acres in extent; about 1910 there was an extensive acquisition of unworked land by German firms. The recent tendency has been for the control of the industry to pass from small to large concerns.

There was a heavy slump in manganese just before 1908, but since that year the output has greatly increased: in 1910 it amounted to 548,300 metric tons; in 1911 it fell again to 451,600 metric tons, but in 1912 it rose to the high figure of 913,500 metric tons, and in
[439] 1913 to 1,051,500 metric tons. Nearly the whole output is exported; export figures are given on pp. 83 and 84. The trade was very heavily hit by the war.

Chiaturi competes with India and Brazil for pride of place as supplier of manganese to the world. It has, however, been handicapped by difficulties of transport, though favoured to some extent in the matter of freight rates. The Sharopan–Sachkeri rail-
[492] way lies some distance from the mines, and the ore has to be conveyed in carts or on pack animals to the station, whence further carriage to Poti or Batum is both slow and expensive. The Association of Manganese Producers (see p. 79) had up to 1914 failed to secure from the State anything beyond promises of improvement.